



**Clean Michigan Initiative  
Clean Water Fund Grant**  
2001-0034



**Bridgewater Township**  
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## **Bridgewater Township Sanitary Sewer System**

April 1, 2002 through March 31, 2006

The Hamlet of Bridgewater is located in Bridgewater Township of Washtenaw County. Residents of the Hamlet have been plagued with unsafe drinking water. Bacteria levels in well water were at dangerously high levels. Many cases of individuals connecting their sewage lines directly in the storm water system has led to high levels of coliform, fecal strep and E. coli bacteria. The goal of the project was to reduce the bacteria levels in the drinking water to safe levels for all residents and to eliminate the contamination of surface waters. This project included the construction of a sanitary sewer collection system and a centralized wastewater treatment plant with discharge to the Saline River, which is part of the River Raisin watershed. All failing septic tank systems have been eliminated and direct surface water connections have been disconnected.



**Grant Amount: \$ 714,000**  
**Match Funds: \$1,392,750**

**Total Amount: \$2,106,750**



### **Best Management Practices:**

- Removal of 67 individual on-site wastewater disposal systems.
- Individual grinder pump stations
- Sanitary sewage collection system
- Centralized wastewater treatment facility with discharge to the Saline River.

### **Annual Load Reductions \*:**

- 126 tons of Sediment
- 42,148 pounds of Phosphorus
- 168,594 pounds of Nitrogen

\* estimates are based on the assumption of 100% sewer connections.



### **Partners involved:**

- Bridgewater Township
- Washtenaw County Department of Public Works
- Washtenaw County Environmental Health Division

### **I&E Activities (concurrent with but outside the scope of the project):**

- Newspaper Articles
- Informational Handouts
- Free Drinking Water Analyses



**March 15, 2006**



**Wastewater Treatment Plant site before construction**



**Wastewater Treatment Plant site after construction**



**Individual grinder pump location after construction  
(access panel to pump station is only difference  
from before appearance)**